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## Via Federal Express & Email michael.regan@ncdenr.gov

Raleigh, North Carolina 27603 Department of Environmental Quality Secretary Michael S. Regan 217 West Jones Street

GenX in the Cape Fear River

Dear Secretary Regan:

We are environmental counsel for the Cape Fear Public Utility Authority ("CFPUA").

applications notification that GenX is among the pollutants being discharged to the Cape Fear NPDES discharge permit applications provided to us by DEQ and have not found in those We and the CFPUA have reviewed the 2006, 2011, and 2016 Chemours and DuPont

("Purported DEQ Statement"): Environmental Quality ("DEQ") personnel by the Wilmington Star News in a June 29, 2017 article We and the CFPUA were surprised by a contrary statement attributed to Department of

related substances from the Fayetteville Works plant into the Cape Fear River, a application and "all previous applications" that it was releasing GenX and other State regulators said Chemours informed them in its most recent discharge permit process that has occurred since 1980.

the following excerpt from a section of the pending 2016 NPDES Pennit Renewal Application: was-discharging-genx). The Star News indicated the basis for the Purported DEQ Statement was 29, 2017 (available at http://www.stamewsonline.com/news/20170629/did-chemours-tell-nc-it-Vaughn Hagerty, Did Chemours tell NC it was discharging GenX?, Wilmington Star News, June

from this manufacturing facility is discharged to the Chemours' various fluorochemical products such as Chemours Teflon. Wastewater generated treatment plant. The HFPO monomer and the Vinyl Ether monomers are used to manufacture wastewater

representations in the permit applications. We do not believe that the excerpt constitutes notice to DEQ or the public that Chemours is GenX into the Cape Fear River, particularly in light of other affirmative

## The Quoted 2016 Permit Application Excerpt Does Not Give Notice of the Discharge of

The quoted 2016 application excerpt is part of the applicant's discussion of Fluoromonomers/Nafion® Membrane Manufacturing Area (the "FNMM Area"). We do understand how the quoted excerpt could put DEQ or the public on notice that Chemours was releasing GenX into the Cape Fear River. We do not

There is no identification of the constituents of the wastewater. final products manufactured in the FNMM area—which are mostly identified only by brand name fails to identify even the raw materials being used, providing only the barest description of the First, the application excerpt does not identify any wastewater constituents. The excerpt

ethers as they lack the necessary CH<sub>2</sub>=CH-O-R chemical structure, or the perfluorinated one of the GenX compounds. Second, by definition GenX compounds do not constitute vinyl shows the molecular structure of GenX compounds. First, HFPO is a specific chemical and not GenX compounds, as is evident from the Netherlands study previously provided to DEQ, which does nothing to identify the involvement of GenX. Neither HFPO nor Vinyl Ether monomers are equivalent of  $CF_2=CF-O-R$ . Second, the general reference to the "HFPO monomer" and the "Vinyl Ether monomers"

constituent of process wastewater from the FNMM Area. reference to the manufacture of other products at other facilities provides no notice that GenX is a manufacture of "various fluorochemical products such as Chemours Teflon®," but the general Likewise, the description of FNMM Area products loosely refers to their use in the

permit application - does not provide any support for a conclusion that Chemours informed DEQ that Chemours was discharging GenX into the Cape Fear River. Thus, the reported basis for the Purported DEQ Statement - an excerpt from the

## **Statements in Permit Applications**

light of the representations made by DuPont and Chemours in the permit applications The Purported DEQ Statement regarding previous applications also seems misplaced in

Information states the following about APFO manufacturing at the Fayetteville Works: (i) it had DuPont's May 1, 2006 NPDES Permit Renewal Application Supplemental

wastewater going to the WWTP or the Cape Fear River and the APFO is not used anywhere else River." As we understand the statement: APFO is manufactured on-site without APFO process from this manufacturing facility is discharged to the site's biological WWTP or to the Cape Fear this manufacturing facility is collected and shipped off-site for disposal. No process wastewater produced APFO is used at the Fayetteville Works site"; and (iii) "[a]ll wastewater generated from been manufacturing APFO (the ammonium salt of PFOA) since November 2002; (ii) "none of the Fayetteville Works was causing APFO to be discharged to the Cape Fear River. We cannot discern how these statements would put DEQ or the public on notice that the

we cannot discern how these statements would put DEQ or the public on notice that the Fayetteville The PPA was not identified. But, even if the PPA had been identified as APFO or GenX or both, manufacturing facility is discharged to the site's biological WWTP or to the Cape Fear River." facility is collected and shipped off-site for disposal. Fayetteville Works site"; and (iii) "[a]ll process wastewater generated from this manufacturing facility was started in November 2002; (ii) "none of the produced processing aids are used at the unidentified polymer processing aid ("PPA"), which mirror the DuPont statements about APFO. Works is causing APFO or GenX to be discharged to the Cape Fear River. As with the prior statements about APFO, the company said about this unidentified PPA: (i) the 2011. DuPont's April 29, 2011 Permit Renewal Application includes statements about an No process wastewater from this

Application statements identical to those in its 2011 application as quoted above. 2016. Most recently, Chemours included in its April 27, 2016 NPDES Permit Renewal

Final RCRA Facility Investigation (RFI) Report, dated August 2014 and submitted to DEQ by indicate that GenX waste streams are captured and incinerated off-site.2 We also note that the in notes of DEQ's Mr. Belnick, taken at meetings with DuPont in 2010 and again in 2015, which facilities at the Site." RFI at 3. APFO was manufactured at the facility but was "never used in any of the other manufacturing DuPont under the Hazardous and Solid Waste Corrective Action Program, likewise represents that The DuPont and Chemours statements in 2006, 2011, and 2016 also appear to be echoed

releasing GenX and other related substances from the Fayetteville Works plant into the Cape Fear them in its most recent discharge permit application and 'all previous applications' that it was contradict it. The records do not appear to us to support a conclusion that "Chemours informed provided in response to the CFPUA's public records request that provide further clarification In short, the records cited as supporting the Purported DEQ Statement appear to us to If DEQ's position has been misstated or misreported or there are other documents not

DEQ file).

<sup>2</sup> Mr. Belnick's notes were the subject of our prior letter to DEQ, dated June 23, 2017 aids manufactured in the PPA section of the Fayetteville Works site (see handwritten notes from meeting with DEQ personnel, Chemours apparently characterized GenX and APFO as processing DuPont's GenX fact sheet describes GenX as a processing aid; and (iv) during its June 12, 2107 being manufactured at the time, but the company was transitioning to GenX around this time; (iii) replace the prior application's statements about the manufacture of APFO; (ii) APFO was still The unidentified PPA may have been both APFO and GenX because: (i) the PPA statements

position be reversed. please advise us. If DEQ's position has been accurately reported, the CFPUA requests that

waste by-products shall be discharged into any public water supply reservoir or stream classified as WS-II, WS-III, WS-IV, or WS-V." Given Chemours' position that its GenX discharges allowed the discharge of these "byproducts" to have occurred. occurred only as "industrial byproducts," we doubt that DEQ in prior years would have knowingly and its implementation in 15A NCAC 18C .1209: "No untreated domestic sewage or industrial As we have reviewed the records, we have been mindful of the N.C. Drinking Water Act

GenX, C8, and perfluorinated byproducts into the Cape Fear River. bear and that the current NPDES permit under consideration expressly prohibit the discharge of and DuPont NPDES permit applications. CFPUA requests that the new information be brought to In any event, much has been revealed in recent weeks that is not included in the Chemours

Sincerely,

George W. House

Attorneys for CFPU

cc: Bill Lane